

# PDR RID Report

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**Document**

<b>RID ID</b>	<b>PDR</b>	30
<b>Review</b>	FOS	
<b>Originator Ref</b>		EB001
<b>Priority</b>	2	

**Section**

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**Category Name** M&O **Actionee** HAIS  
**Sub Category**  
**Subject** Use of the AM-1 Simulator

## **Description of Problem or Suggestion:**

No information on planned uses of the AM-1 simulator was presented at the review.

## **Originator's Recommendation**

Show how the AM-1 simulator is planned to be used operationally. Suggestions include using the simulator to test loads and software patches prior to actual uplink.

## **GSFC Response by:**

**GSFC Response Date**

**HAIS Response by:** D. Herring

**HAIS Schedule** 1/13/95

**HAIS R. E.** A. Miller

**HAIS Response Date** 1/18/95

Simulations will be conducted to familiarize management and operations personnel with the operations of the ground system and the spacecraft. These simulations vary from simple data flows to anomaly insertion and recovery. The simulator should be available with enough time prior to launch to allow operations to develop, test, and validate procedures, command loads, databases, timelines, and to train operations personnel. The simulator allows the Flight Operations Team (FOT) to become familiar with the ground system and spacecraft, and with their operation.

The following is a list of the AM-1 Simulator uses:

1. Pre-Launch simulations
2. Ground System enhancements
3. Spacecraft enhancements (loads, etc.)
4. Proficiency training
5. New personnel training and certification
6. Anomaly investigation and engineering tests

It is anticipated that more detailed discussions will take place between the ECS FOT, the ECS FOS development team, and the spacecraft simulator contractor Martin Marietta (the responsible party for the Spacecraft Simulator ICD) as the Spacecraft Simulator interface documentation is being prepared during the spring and summer of 1995.

**Status** **Closed**

**Date Closed** **2/1/95**

**Sponsor** **Johns**

\*\*\*\*\* **Attachment if any** \*\*\*\*\*